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- 1 [Beyond technology: the missing pieces for QoS success](#)  
L. Burgstahler, K. Dolzer, C. Hauser, J. Jähnert, S. Junghans, C. Macián, W. August 2003 RI PQoS '03: Proceedings of the ACM SIGCOMM workshop on What have we learned, why do we care?

Publisher: ACM

Full text available: Pdf (207.99 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 115, CiteSpace

Years of research on QoS architectures for IP networks have delivered s proposals, which have nevertheless not found broad commercial use. Th lack of technical soundness or insurmountable technological complexity,

Keywords: Internetworking, Next Generation Internet, QoS

- 2 [A transmission control scheme for media access in sensor networks](#)  
Alec Woo, David E. Culler  
July 2001 MobiCom '01: Proceedings of the 7th annual international confe computing and networking

Publisher: ACM

Full text available: Pdf (460.40 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

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- 3 [Loss concealment for multi-channel streaming audio](#)  
Rishi Sinha, Christos Papadopoulos, Chris Kyriakakis  
June 2003 NOSSDAV '03: Proceedings of the 13th international workshop operating systems support for digital audio and video

Publisher: ACM

Full text available: Pdf (603.22 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 32, CiteSpace

With the advent of high-speed networks such as Internet2, high quality transmission of multi-channel audio streams has become possible. For i applications, such as a distributed musical performance, minimizing late paramount ...

**Keywords:** immersive audio, loss concealment, multi-channel, real-time

4 [Internet routing instability](#)

Craig Labovitz, G. Robert Malan, Farnam Jahanian

October 1998 IEEE/ ACM Transactions on Networking (TON) , Volume 6 I

Publisher: IEEE Press

Full text available:  Pdf (277.43 KB) Additional Information: [full citation](#), [references](#), [cite](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 99, Citation

**Keywords:** communication system, communication system routing, co internet, routing, stability

5 [A framework for constructing features and models for intrusion detec](#)

 Wonke Lee, Salvatore J. Stolfo

November 2000 Transactions on Information and System Security (TI

Issue 4

Publisher: ACM

Full text available:  Pdf (187.03 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)  
[terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 81, Downloads (12 Months): 587, Citatio

Intrusion detection (ID) is an important component of infrastructure pro mechanisms. Intrusion detection systems (IDSs) need to be accurate, a extensible. Given these requirements and the complexities of today's ne environments, ...

**Keywords:** data mining, feature construction, intrusion detection

6 [Recursive copy generation for multicast ATM switching](#)

Fabrizio Sestini

June 1997 IEEE/ ACM Transactions on Networking (TON) , Volume 5 Issu

Publisher: IEEE Press

Full text available:  Pdf (167.72 KB) Additional Information: [full citation](#), [references](#), [cite](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 16, Citation (

**Keywords:** ATM switches, multicast, recursive copy generation

7 [The effects of systemic packet loss on aggregate TCP flows](#)

Thomas J. Hacker, Brian D. Noble, Brian D. Athey

November 2002 Supercomputing '02: Proceedings of the 2002 ACM/IEEE

Supercomputing


Publisher: IEEE Computer Society Press

Full text available:  Pdf (375.56 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)  
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**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation (

The use of parallel TCP connections to increase throughput for bulk transfer practice within the high performance computing community. However, the fairness, and efficiency of data transfers across parallel connections is un-

8 [A parallel, incremental and concurrent GC for servers](#)

 Yoav Ossia, Ori Ben-Yitzhak, Irit Gofri, Elliot K. Kolodner, Victor Leikehman, June 2002 PLDI '02: Proceedings of the ACM SIGPLAN 2002 Conference on language design and implementation

Publisher: ACM

Full text available:  Pdf (231.80 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 51, Citation (


Multithreaded applications with multi-gigabyte heaps running on modern new challenges for garbage collection (GC). The challenges for "server-side" include: ensuring short pause times on a multi-gigabyte heap, while min-

Keywords: JVM, Java, concurrent garbage collection, garbage collection, garbage collection, weak ordering

Also published in:

May 2002 SIGPLAN Notices Volume 37 Issue 5

9 [PC based precision timing without GPS](#)

 Attila Pásztor, Darryl Veitch, June 2002 SIGMETRICS '02: Proceedings of the 2002 ACM SIGMETRICS international conference on Measurement and modeling of computer systems

Publisher: ACM

Full text available:  Pdf (500.66 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 99, Citation


A highly accurate monitoring solution for active network measurement in the need for GPS, based on an alternative software clock for PC's running in respect to clock rate, its performance exceeds common GPS and NTP systems.

Keywords: GPS, NTP, network measurement, pc clocks, software clock timing

Also published in:

June 2002 SIGMETRICS Performance Evaluation Review Volume 30 Issue 1

10 [A time-slotted-CDMA architecture and adaptive resource allocation for connections with diverse QoS guarantees](#)

 Samar Singh, Satish K. Tripathi

September 2003 Wireless Networks, Volume 9 Issue 5



Publisher: Kluwer Academic Publishers

Full text available:  Pdf (249.70 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 55, Citation


We consider a time-slotted W-CDMA system for mobile stations which a the wired internet. We first present an architecture for such a system th request-permission protocol incorporating power control for "Best Effort

**Keyw ords:** QoS guarantees, S-CDMA, bandwidth-sharing, transmitter wireless MAC



- 11 [Asymptotically optimal geometric mobile ad-hoc routing](#)  
 Fabian Kuhn, Roger Wattenhofer, Aaron Zollinger  
September 2002 DIALM '02: Proceedings of the 6th international workshop algorithms and methods for mobile computing and commu  
Publisher: ACM  
Full text available:  Pdf (209.44 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)  
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 56, Citation (

In this paper we present AFR, a new geometric mobile ad-hoc routing a algorithm is completely distributed; nodes need to communicate only w neighbors in their transmission range. We show that if a best route has

**Keyw ords:** ad-hoc networks, face routing, geometric routing, routing, wireless communication

- 12 [Advocating a remote socket architecture for internet access using wi](#)  
[M. Schläger, B. Rathke, A. Wolisz, S. Bodenstein](#)  
January 2001 Mobile Networks and Applications , Volume 6 Issue 1  
Publisher: Kluwer Academic Publishers  
Full text available:  Pdf (490.10 KB) Additional Information: [full citation](#), [references](#), [index terms](#)  
Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 40, Citation (

**Keyw ords:** TCP, internet access, measurement, performance, socket-ir LAN

- 13 [Recent worms: a survey and trends](#)  
 Darrell M. Kienzie, Matthew C. Elder  
October 2003 WORM '03: Proceedings of the 2003 ACM workshop on Raptic  
Publisher: ACM  
Full text available:  Pdf (274.62 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)  
Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 213, Citatio

In this paper, we present a broad overview of recent worm activity. Viru repositories, such as the Network Associates' Virus Information Library, different entries (through the first quarter of 2003). While many of thes

**Keyw ords:** malicious code, survey

- 14 [A unified wireless LAN architecture for real-time and non-real-time co services](#)

Sunghyun Choi, Kang G. Shin

February 2000 IEEE/ ACM Transactions on Networking (TON) , Volume 8

Publisher: IEEE Press

Full text available:  Pdf (298.12 KB) Additional Information: full citation, references, cite review

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 94, Citation (

**Keywords:** MAC protocol, QoS-sensitive communication, admission test division duplexing (D-TDD), location-dependent errors, polling, priority wireless LAN

# 15 [An empirical study of realvideo performance across the internet](#)

 Yubing Wang, Mark Claypool, Zheng Zuo

November 2001 I MW '01: Proceedings of the 1st ACM SIGCOMM Workshop Measurement

Publisher: ACM

Full text available:  Pdf (4.30 MB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 89, Citation (

The tremendous increase in computer power and bandwidth connectivity growth of streaming video over the Internet to the desktop. While there scale empirical studies of Internet, Web and multimedia traffic, the performance

# 16 [Distributed Interactive Ray Tracing of Dynamic Scenes](#)

Ingo Wald, Carsten Benthin, Philipp Slusallek

October 2003 PVG '03: Proceedings of the 2003 IEEE Symposium on Parallel Visualization and Graphics

Publisher: IEEE Computer Society

Full text available:  Pdf (503.86 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 110, Citation (

Recently developed interactive ray tracing systems combine the high performance of todays CPUs with new algorithms and implementations to achieve a flexible performance rendering system offering high-quality, but nonetheless interactive graphics. ...

**Keywords:** Interactive Ray Tracing, Distributed Rendering, Dynamic Scenes and Performance

# 17 [Xunlei 2: lessons from an early wide-area ATM testbed](#)

Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. M. Bristow, III

February 1997 IEEE/ ACM Transactions on Networking (TON) , Volume 5

Publisher: IEEE Press

Full text available:  Pdf (231.69 KB) Additional Information: full citation, references, index

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 32, Citation (

**Keywords:** asynchronous transfer mode, available bit rate, constant bit rate

### IP lookups using multiway and multicolumn search

Butler Lampson, Venkatachary Srinivasan, George Varghese  
June 1999 IEEE/ ACM Transactions on Networking (TON) , Volume 7 Issue  
Publisher: IEEE Press

Full text available:  Pdf (173.06 KB) Additional Information: full citation, references, cite review

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 56, Citation (

### 19 Ad hoc-VCG: a truthful and cost-efficient routing protocol for mobile with selfish agents



Luzi Anderegg, Stephan Eidenbenz  
September 2003 MobiCom '03: Proceedings of the 9th annual international Mobile computing and networking  
Publisher: ACM

Full text available:  Pdf (341.96 KB) Additional Information: full citation, abstract, refer terms

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 286, Citatio

We introduce a game-theoretic setting for routing in a mobile ad hoc network. It consists of greedy, selfish agents who accept payments for forwarding packets if the payments cover their individual costs incurred by forwarding.

Keywords: VCG mechanism, ad hoc networks, energy efficiency, game mechanism design, routing, selfish agents

### 20 ASN.1 protocol specification for use with arbitrary encoding schemes

Duke Tantiaprasut, John Neil, Craig Farrell  
August 1997 IEEE/ ACM Transactions on Networking (TON) , Volume 5 Issue  
Publisher: IEEE Press

Full text available:  Pdf (159.77 KB) Additional Information: full citation, references, cite

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 36, Citation (

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